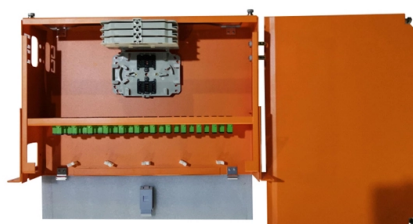


RIVO MULTITRADE OPTICAL SYSTEMS

Price quote for optical modules in communication equipment



Overview

OPTICAL MODULE Price Enterprise Network Refresh: Maximize Budget, Ensure Timely Delivery View stock Quote Cisco Released: April 8, 2025. « 1 » 800/400/2.

Key Takeaways

Optical module prices currently range from as low as \$5 for basic compatible 1G SFPs to \$200 or more for high-speed OEM modules, with average market prices around \$150–200 per unit. Price Ranges by Module Type and Speed

- 1G SFP Modules: Compatible or generic modules typically cost \$5–\$25, while OEM-branded or industrial-grade modules can reach \$60–\$120+ per unit .
- 10G SFP+ Modules: Compatible 10G SR modules are often priced in the tens of dollars, whereas OEM long-reach (LR/ER) modules can cost hundreds of dollars .
- 25G SFP28, 40G QSFP/QSFP+, 100G CFP/QSFP28 Modules: Prices increase with speed and reach, with high-performance modules for data centers and AI workloads averaging \$150–\$200 per unit, and specialized 400G/800G modules commanding higher prices .



- **High-Speed Data Center Modules (400G/800G/1.6T):** These are premium modules used in hyperscale data centers, with prices significantly above standard 100G optics due to advanced silicon photonics and high-density design .

Factors Affecting Pricing

- **Brand and OEM vs Third-Party:** OEM-branded modules (Cisco, HPE, Juniper) are priced higher than compatible third-party units .
- **Reach and Specifications:** Long-reach, industrial temperature, or special-spec modules cost more than standard short-reach modules .
- **Market Demand:** Growth in 400G/800G deployments, AI/ML workloads, and 5G network expansion is driving demand and influencing prices .
- **Supply Chain Constraints:** Semiconductor shortages and tariff adjustments can create price volatility .

Market Overview

The global optical module market was valued at approximately \$12.67 billion in 2024, with the U.S. accounting for 28% of revenue. Average unit prices for optical modules are around \$150–200, with total sales of 88–117 million units in 2024 . The market is projected to grow rapidly, driven by high-bandwidth connectivity needs in data centers and cloud infrastructure, with a CAGR of 10–15% through 2031 .

Summary

For procurement or budgeting purposes, basic 1G modules can be acquired for under \$25, mid-range 10G–100G modules typically cost \$50–\$200, and high-speed 400G+ modules for hyperscale data centers are priced significantly higher. Prices vary by brand, reach, and performance specifications, and market trends indicate continued growth in demand for high-speed optical transceivers .

Article Content

OPTICAL MODULE Price

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800/400/200/100/40G Fiber Optical Modules

FS offers a growing portfolio of 800/400/200/100/40G optical transceiver modules and cables. The super-high density and backwards

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

Deploy software configurable line rates and modulation schemes for long-reach amplified DWDM systems or dark fiber systems.

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G-100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology

Optical Communication and Networking Equipment Market Growth

It is the largest consumer of market. Also, the optical communication and networking equipment industry growth in the region can be

Optical Module Chip Market 2025

The optical module chip market exhibits a fragmented yet competitive structure with global technology providers, semiconductor

Optical Module Procurement Guide

Optical Module Procurement guide to pricing trends, OEM vs aftermarket insights, and strategic buying tactics to

China Optical Module, Optical Module Wholesale, Manufacturers, Price ...

The Optical Module is a premium choice in the Fiber Optic Equipment category. Buying in bulk can lead to significant cost savings.

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right

Optical Modules Market Size, Growth Trends & Forecast

Situated within the broader optical communications industry, the Optical Modules Market is a vital subset of the

Optical Communication & Networking Equipment Market

The Optical Communication & Networking Equipment Market, valued at USD 30.43B in 2026, is projected to reach USD 48.04B by

Optical Module Package Market 2025

However, price sensitivity in developing markets often delays the adoption of premium optical solutions, and trade restrictions

Optical Communication Equipment Market Research Report 2034

Optical Communication Equipment market was valued at \$25.2 billion in 2025, projected to reach \$55.5 billion by 2034, growing at

Everything You Need to Know About Optical Modules

Optical modules are electronic devices used in communication systems to transmit optical signals. These modules

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

OEM list prices can reach several thousand dollars per module. Compatible third-party alternatives can start as low

Optical modules - MS Group

Optical SFP modules are compact devices used for data transmission in network systems such as routers and switches. They are

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

